

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A method of generating ~~Digital Item~~ a digital item data structure as a unit of manipulation of multimedia data for a system configured for electronic commerce activities of multimedia data, comprising the steps of:

selecting a resource of multimedia data for electronic commerce activities of multimedia data; and

generating a digital item data structure ~~Digital Item~~ as the unit of manipulation of electronic commerce activities for a corresponding multimedia the selected resource defined by including comprising an anchor for designating a the selected resource, a descriptor for describing a corresponding item the selected resource, and an opCondition for describing operational use conditions of for the corresponding item selected resource.

Reply to Office Action dated March 1, 2005

2. (Currently Amended) The method according to claim 1, wherein the step of generating a digital item data structure ~~Digital Item~~ as the unit of manipulation of electronic commerce activities for a corresponding multimedia the selected resource is defined to include further comprises selectively generating a murCondition for describing conditions related to commercial management and use ~~rule~~ rules for the corresponding ~~item~~ selected resource, an eventReport for describing an event to be reported in connection with the ~~corresponding item~~ selected resource, a userPreference for describing user preference information ~~on~~ for the ~~corresponding item~~ selected resource, or a reservedMetadata for describing metadata additionally required for a future digital item ~~Digital Item~~ definition model ~~in the future~~.

3. (Currently Amended) The method according to claim 1, wherein the ~~Digital Item~~ consists of the digital item data structure ~~comprises one of a lowest level atomic Digital Item~~ digital item data structure which is not further divided ~~into any longer and a packaged Digital Item~~ digital item data structure, wherein the packaged digital item data structure ~~Digital Item~~ is defined to include comprises any sub-packaged ~~Digital Item~~ digital item data structure in a recurrent package form ~~that the~~ in which atomic ~~Digital Items~~ digital item data structures are packaged or already packaged ~~Digital Items~~ digital

Reply to Office Action dated March 1, 2005

item data structures are again packaged, ~~therefore each packaged Digital Item is generated in a recursive manner.~~

4. (Currently Amended) The method according to claim 3, wherein the packaged ~~Digital Item~~ digital item data structure is defined to include information (~~an anchor~~) for designating the same level of Digital Item digital item data structure or information (~~an anchor~~) for designating a lower level of Digital Item digital item data structure.

5. (Currently Amended) The method according to claim ~~[[3]]~~23, wherein in order to construct the recurrent layered data structure, ~~the an atomic Digital Item as digital item data structure which is the lowest layer is defined as a component, a packaged Digital Item as the digital item data structure which is a middle layer including the and which includes a component or any sub-packaged Digital Item digital item data structure~~ is defined as an item, and a packaged Digital Item as the digital item data structure which is a highest layer including and which includes an item or any sub-container is defined as a container.

6. (Currently Amended) The method according to claim ~~[[3]]~~23, wherein in order to construct the recurrent layered data structure, ~~the an atomic Digital Item as~~ digital item data structure which is the lowest layer is defined as a component, a packaged Digital Item as the digital item data structure which is a middle layer including and which includes the component or any sub-packaged Digital Item digital item data structure or information (an anchor) for designating that a lower level of digital item data structure is defined as an item, and a packaged Digital Item as digital item data structure which is the highest layer including and which includes an item or any sub-container or information (an anchor) for designating that a lower level of digital item data structure is defined as a container.

7. (Currently Amended) A method of generating ~~Digital Item~~ a digital item data structure as a unit of manipulation of multimedia data for a system configured for electronic commerce activities of multimedia data, comprising the steps of:

selecting a resource of multimedia data for electronic commerce activities of ~~multimedia data;~~

generating a component data structure defined to include ~~a the~~ selected resource, an anchor for designating the selected resource, a descriptor for describing

Reply to Office Action dated March 1, 2005

details of the selected resource, and an opCondition for describing operational use conditions of the selected resource;

generating an item data structure defined to include packaged content including at least one component data structure or item data structure or anchor for designating ~~that~~ the selected resource, a choice for the packaged content, and a descriptor for describing details of the packaged content; and

generating a container data structure defined to include packaged content including at least one item data structure or container data structure or anchor for designating ~~that~~ the selected resource, and a descriptor for describing details of the packaged content.

8. (Currently Amended) The method according to claim 7, wherein the step of generating a component data structure is defined to include selectively generating a murCondition for describing conditions related to management and use rule for the selected resource, an eventReport for describing an event to be reported in connection with the selected resource, a userPreference for describing user preference information on the selected resource, or a reservedMetadata for describing metadata additionally required for a future digital item ~~Digital Item definition model in the future.~~

9. (Currently Amended) The method according to claim 7, wherein the step of generating an item data structure is defined to include selectively generating a murCondition for describing conditions related to management and use rule for the ~~package-packaged~~ content, an eventReport for describing an event to be reported in connection with the ~~package-packaged~~ content, a userPreference for describing user preference information on the ~~package-packaged~~ content, or a reservedMetadata for describing metadata additionally required for a future digital item ~~Digital Item~~ definition model ~~in the future~~.

10. (Currently Amended) The method according to claim 7, wherein the step of generating a container data structure is defined to include selectively generating a murCondition for describing conditions related to management and use rule for the ~~package-packaged~~ content, an eventReport for describing an event to be reported in connection with the ~~package-packaged~~ content, a userPreference for describing user preference information on the ~~package-packaged~~ content, or a reservedMetadata for describing metadata additionally required for a future digital item ~~Digital Item~~ definition model ~~in the future~~.

11. (Currently Amended) The method according to claim 7, wherein the choice is defined to include a recurrent form of at least zero (0) or more choice, at least zero (0) or more descriptor, at least zero (0) or more opCondition that can be used to determine whether a single selection is selected or more than one selection ~~are~~ is selected, and at least one (1) or more selection as the object of selection.

12. (Currently Amended) The method according to claim 11, wherein the selection is defined to include a predicate which is Boolean function representation language, at least zero (0) or more descriptor for describing the content of the selection, and an opCondition for describing operational use conditions of the selection, ~~as elements included to define the choice.~~

13. (Currently Amended) The method according to claim 7, wherein the choice is used for the item level for the purpose of selective item configuration in order to adapt the ~~Digital Item~~ digital item data structure according to the various types of networks and terminals, or ~~the~~ a user request, and wherein the choice is modeled in a recurrent form considering the user generally configures item through multi steps, ~~so layered definition of choice is required.~~

Reply to Office Action dated March 1, 2005

14. (Currently Amended) The method according to claim 7, wherein a descriptor used for all ~~of the Digital Items~~ digital item data structures, choice, selection, eventReport, userPreference, reservedMetadata, and anchor[[,]] is defined to include at least zero (0) or more ~~existing~~ descriptor or anchor, a component capable of representing the content of the descriptor or a statement of text or any machine readable format for describing the content such as parent elements of the descriptor ~~to be defined~~, and at least zero (0) or more opCondition ~~of~~ for describing operational conditions of descriptor.

15. (Currently Amended) The method according to claim 7, wherein the anchor used for all of the digital item data structure ~~Digital Items~~, eventReport, userPreference, reservedMetadata, and descriptor[[,]] is defined to include a reference ~~being~~ which is an identifier designating a uniquely atomic Digital Item ~~digital item data structure~~ and for each Digital Item digital item data structure, at least zero (0) or more descriptor for describing the anchor, and at least zero (0) or more opCondition for describing a usage format of the anchor.

Reply to Office Action dated March 1, 2005

16. (Currently Amended) The method according to claim 7, wherein the eventReport is defined to include an anchor for designating a server computer for processing, managing, and storing the content of a reportable event report, a descriptor for describing the content of an event report, and a murCondition for describing conditions related to management and use rule of an event report content.

17. (Currently Amended) The method according to claim 7, wherein ~~UserPreference~~ a userPreference is defined to include an anchor for designating the ~~existing~~ user preference information, a descriptor for describing the content of the user preference information, and a murCondition capable of describing management and use rule of the user preference information. [[.]]

18. (Currently Amended) The method according to claim 7, wherein the murCondition used for all of the ~~Digital Items~~ digital item data structures, eventReport, userPreference, and reservedMetadata defines conditions for management and use rule of a corresponding ~~Digital Item~~ digital item data structure or definition model elements by use of at least one (1) or more predicate which is Boolean function representation language.

19. (Currently Amended) The method according to claim 7, wherein the opCondition used for a digital item data structure ~~Digital Item~~ of a component level, descriptor, anchor, choice and selection defines operational use conditions for a corresponding item or definition model elements by use of at least one (1) or more predicate which is Boolean function representation language.

20. (Currently Amended) The method according to claim 19, wherein the opCondition describes conditions, ~~for example~~ <sup>had</sup> including transmission bit rate, resolution of video or image, sampling rate of audio, compression algorithm, key or decoding conditions if coded, and transmission protocol, etc.

21. (Currently Amended) A method of generating ~~Digital Item~~ a digital item data structure as a unit of manipulation of multimedia for a system configured for electronic commerce activities ~~of multimedia data, comprising the steps of:~~

selecting a resource of multimedia data for electronic commerce activities ~~of multimedia data~~; and

generating a container data structure, an item data structure, and a component data structure as ~~Digital Items~~ forms of digital item data structures for the

Reply to Office Action dated March 1, 2005

selected resource in order to provide a ~~selected resource~~ as the unit of manipulation for electronic commerce activities according to the following element definitions:

(a) container::=(anchor | container)\* (anchor | item)\* descriptor\*  
murCondition\* eventReport\* userPreference\* reservedMetadata\*

(b) item::=(anchor | item | component)+ choice\* descriptor\*  
murCondition\* eventReport\* userPreference\* reservedMetadata\*

(c) component::=resource anchor descriptor\* murCondition\* opCondition\*  
eventReport\* userPreference\* reservedMetadata\*

(d) anchor::=reference descriptor\* opCondition\*

(e) descriptor::=(anchor | descriptor)\* (component | statement)  
opCondition\*

(f) choice::=choice\* selection+ descriptor\* opCondition\*

(g) selection::=predicate descriptor\* opCondition\*

(h) eventReport::=anchor descriptor murCondition

(i) userPreference::=anchor descriptor murCondition

(j) reservedMetadata::=anchor descriptor murCondition

(k) murCondition::=predicate+

(l) opCondition::=predicate+

Reply to Office Action dated March 1, 2005

22. (Original) The method according to claim 21, wherein '\*' means at least zero(0) or more, '+' means at least one(1) or more, and '|' means 'OR' logical operation.

23. (New) The method according to claim 3, wherein the digital item data structure is classified as one of three levels in a recurrent layered data structure.